

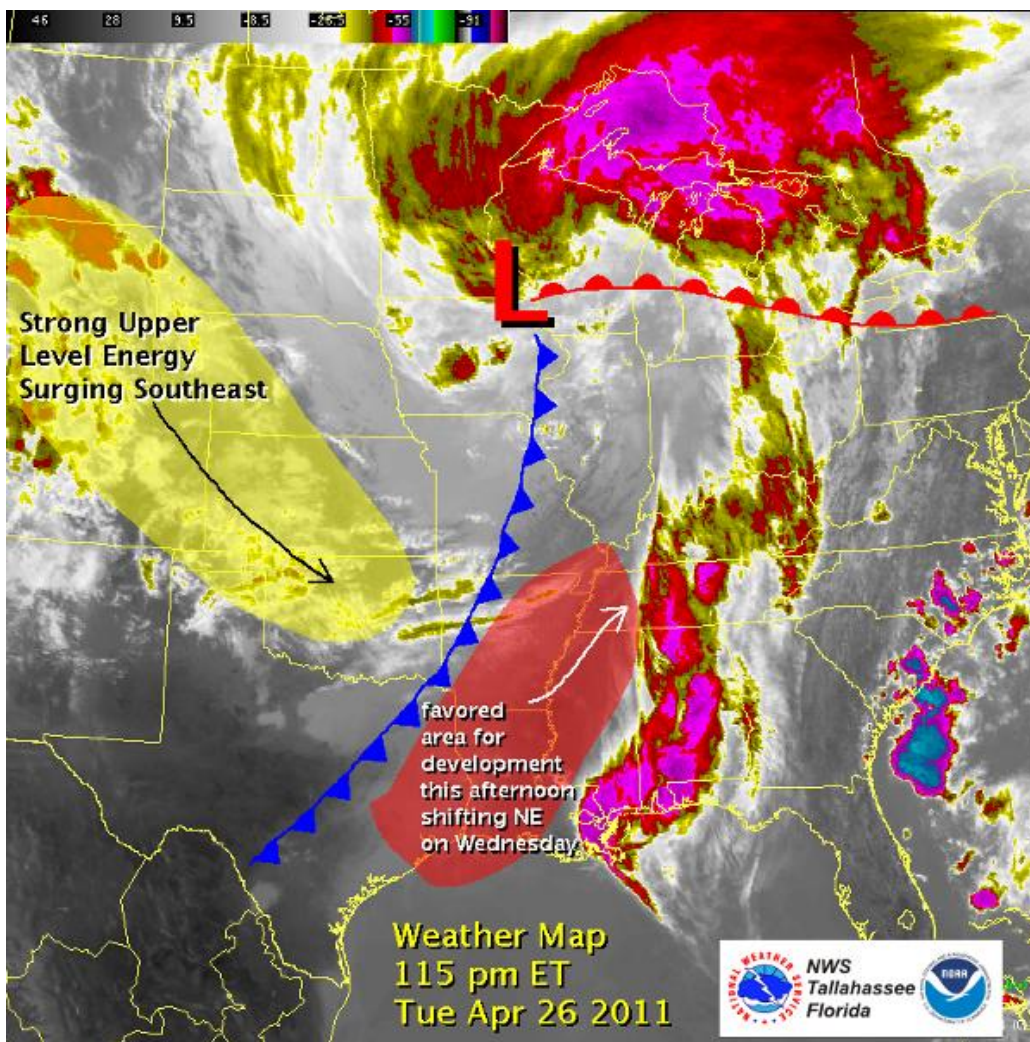


## National Weather Service Tallahassee, Florida



In this update:

- Severe Weather Possible late Wednesday into Thursday morning across the region

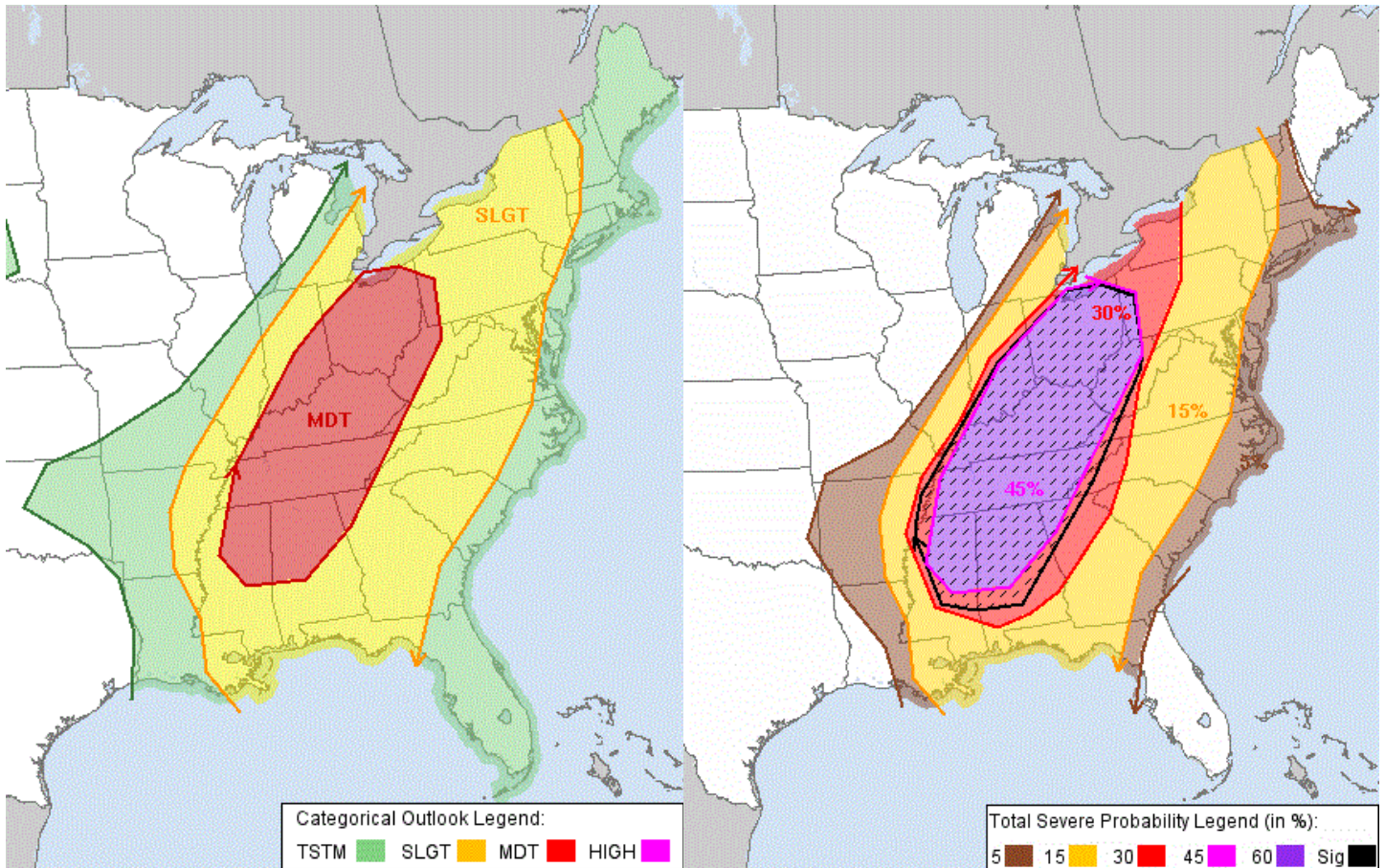


A strong storm system continues to gain strength as a series of strong mid and upper level impulses move eastward out of the Rockies and across the Plains States. Numerous showers and thunderstorms are expected to develop late this afternoon and continue into Wednesday across the Mid South. By Wednesday afternoon, a cold front across the Mississippi River Valley will begin to surge eastward, pushing the shower and thunderstorm activity further east. With a very moist and unstable airmass in place across the our region, severe thunderstorms will become increasingly possible as

this cold front approaches Southeast Alabama on Wednesday evening. These storms will spread eastward across the region Wednesday night, moving east of Interstate 75 by mid morning on Thursday.



With a very warm and moist airmass in place across the region, the potential for severe weather is increased. While the greatest probability for severe weather remains located across the Tennessee and Ohio River Valley on Wednesday afternoon, a high enough combination of wind shear and instability should be in place across our region by Wednesday night. Because the low pressure area will be rapidly lifting northeast Wednesday night, the resultant squall line may be in a weakening state as it approaches. Thus, the severe probabilities with this system are not as high as the widespread damaging wind event from the first of this month.



Individual showers and thunderstorms are expected to develop well ahead of the cold front across Central Alabama on Wednesday evening. As the cold front moves further east, these cells are expected to form into a squall line and spread eastward across our region throughout Wednesday night and into Thursday morning.

### Primary Impacts:

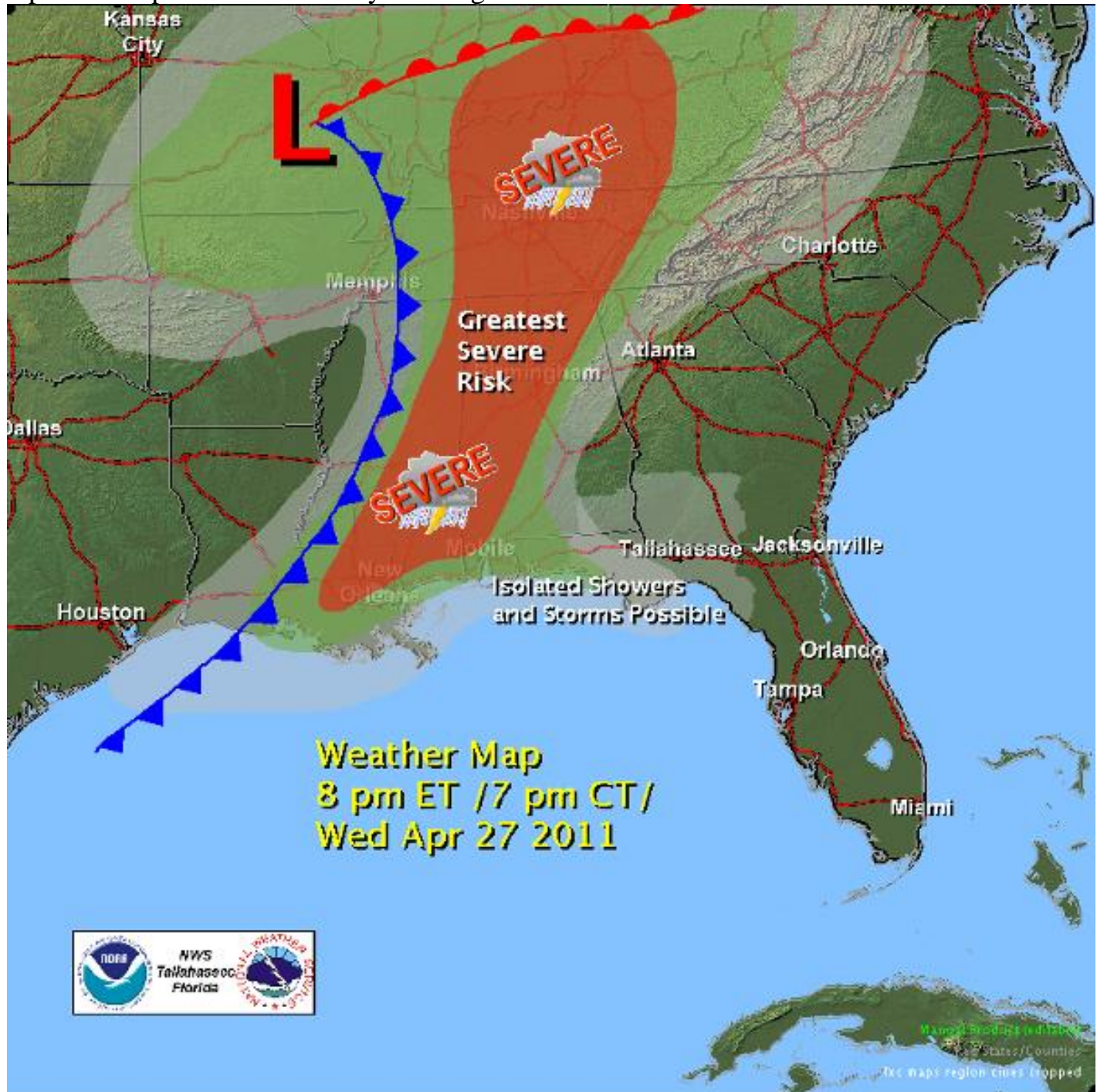
- \* The primary impacts with this system are likely to be damaging winds and large hail.
- \* Isolated tornadoes are possible with any cells that develop ahead of the main line of convection.



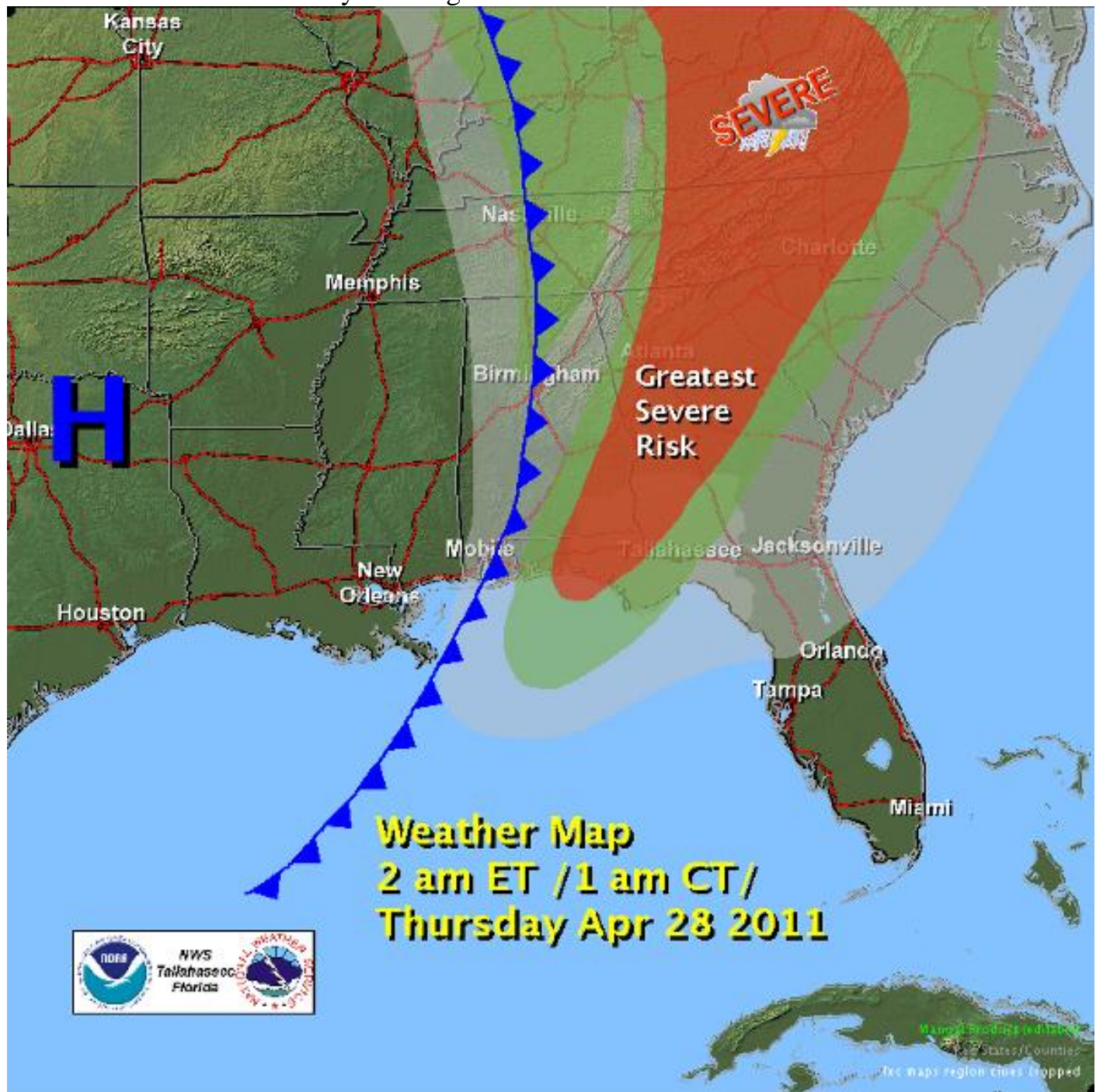
**Timing:**

The following images are based on the latest forecast models on this system. Further detail will be provided in future briefing packets as better agreement develops between the models.

8 pm ET / 7 pm CT/ Wednesday Evening:

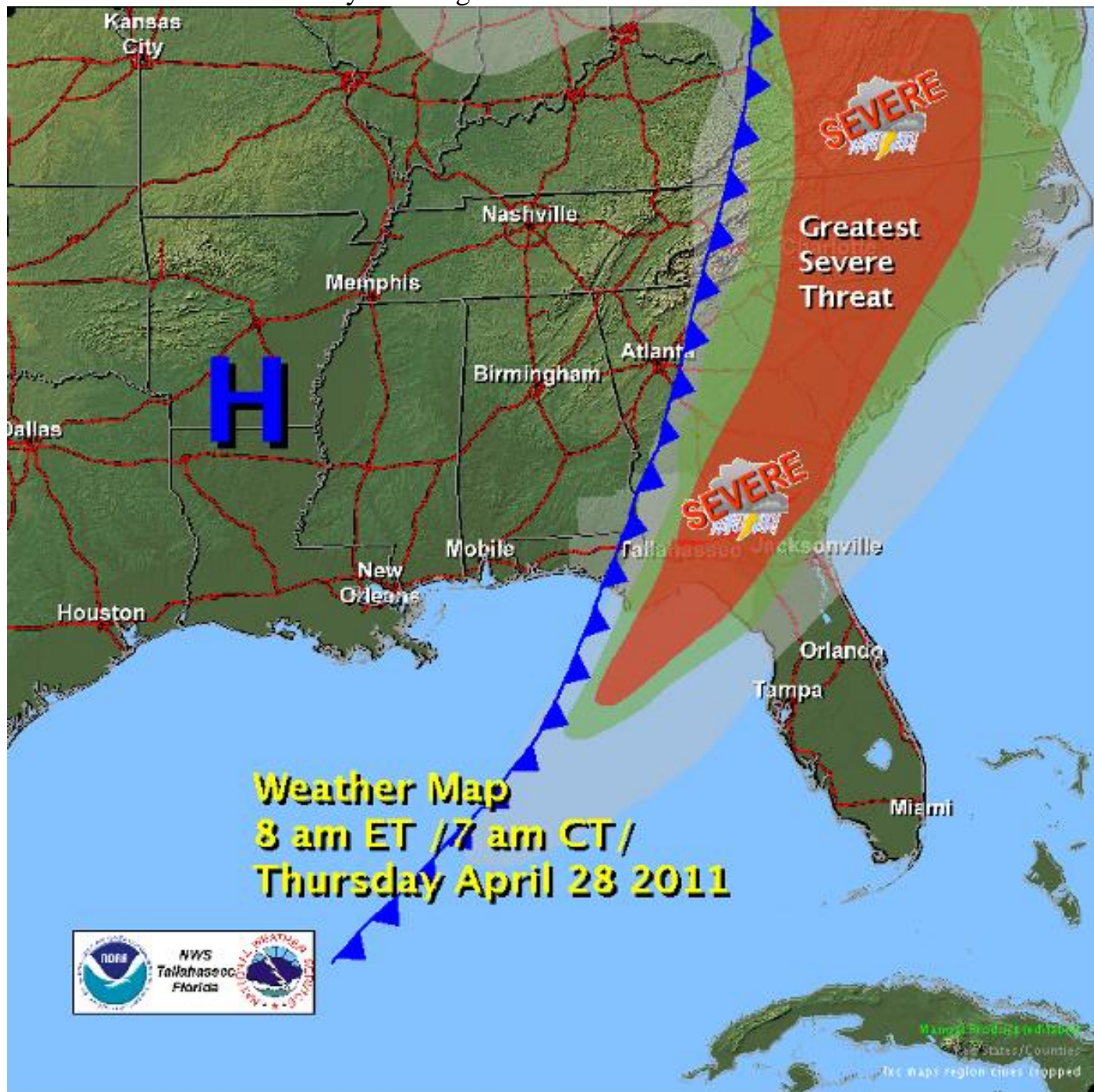


2 am ET / 1 am CT/ Thursday morning:



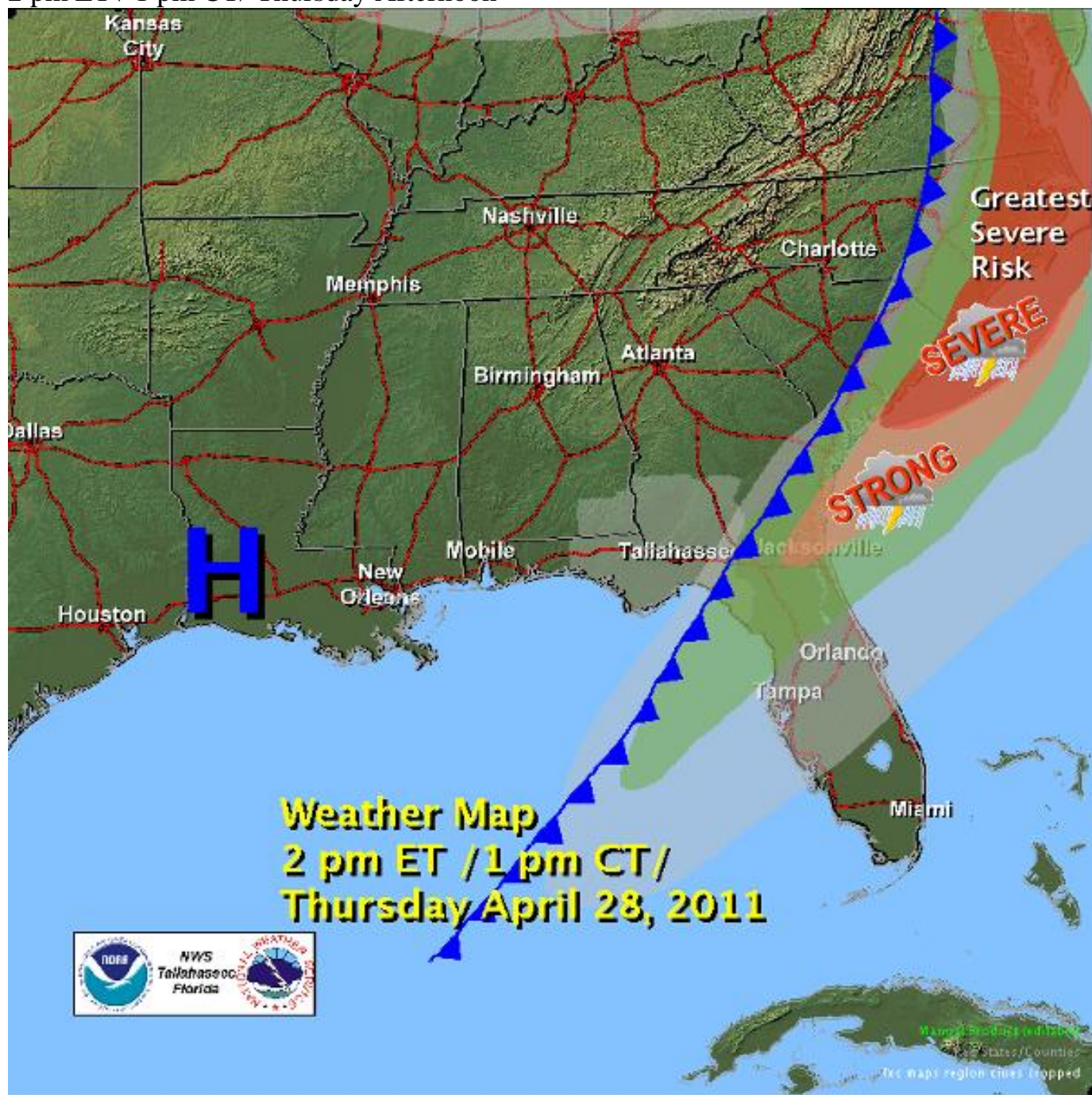


8 am ET / 7 am CT/ Thursday Morning





2 pm ET / 1 pm CT/ Thursday Afternoon



**Summary:**

- Severe weather will be possible starting Wednesday evening continuing into mid morning Thursday across the region.
- While instability and wind shear are sufficient with this system, the severe potential may be decreasing with time Wednesday night as the low pressure area moves rapidly northeast.
- Severe probabilities are less than the widespread damaging wind event from the first of April.
- The primary threats with this system are damaging winds and large hail.
- Isolated tornadoes are possible with any cells that develop ahead of the expected squall line.

The National Weather Service in Tallahassee will continue to monitor this system closely today. If you have any questions, please give our office a call at 850-942-8833 or on our toll free line at 800-598-4562 and ask to speak to a meteorologist. We are available 24 hours a day, 7 days a week. You can also reach us on our Southern Linc phone at 1\*77\*184.